DERWENT-ACC- 1982-E7303E

NO:

DERWENT-

198217

WEEK:

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TITLE:

Composite joint prosthesis prodn. - blasts metal shank with silicon carbide or

corundum after grinding

INVENTOR: BARTSCH, W D; BENZ, H; GLLIEN, W; MUSSTOW, C; RUPP, J

PATENT-ASSIGNEE: GLIEN W[GLIEI]

PRIORITY-DATA: 1980DD-0222580 (July 14, 1980)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC

DD 152055 A November 18, 1981 N/A

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N/A

INT-CL (IPC): A61F001/04

ABSTRACTED-PUB-NO: DD 152055A

BASIC-ABSTRACT:

The process forms joint prostheses comprising a metal shank and a ceramic head each. It is designed to avoid overloading of the head on joining to the shank and giving a permanent joint between the latter and the bone without subsequent operations.

The shank is ground to conventional tolerances and then blasted with silicon carbide or corundum to give a surface roughness of 0.5 to 1.2 microns in the axial direction, and 5 to 10 microns in the transverse direction respectively.

DERWENT-CLASS: P32

L Number Hits Search Text DB	Γ; 2003/07/11 13:46
US-PGPU EPO, JPO; DERWEN IBM_TDB USPAT;	З; Г; 2003/07/11 13:46
EPO; JPO; DERWEN IBM_TDB USPAT;	Γ; 2003/07/11 13:46
DERWEN BM_TDB USPAT; DERWEN BM_TDB USPAT;	Γ; 2003/07/11 13:46
2 2 ultra\$1phobic same rough\$6 IBM_TDB USPAT;	2003/07/11 13:46
2 ultra\$1phobic same rough\$6 USPAT;	2003/07/11 13:46
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US-PGPUI	
EPO; JPO;	•
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IBM_TDB	
2 ultra\$1phobic and (rough\$6 (sand near3 blast\$4)) USPAT;	2003/07/11 13:47
US-PGPUI	3;
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4 33 ultra\$1phobic USPĀT;	2003/07/11 14:11
US-PGPUI	1
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5 11 "1289899" USPAT;	2003/07/11 14:07
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DERWEN'	l;
IBM_TDB 6 12 sunyx.as. and ultraphobic USPAT	
, , , , , , , , , , , , , , , , , , , ,	2003/07/11 14:15
US-PGPUE	3; <u> </u>
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7 4 "5693236" USPAT;	2003/07/11 14:26
US-PGPUE);
EPO; JPO;	
DERWENT.	`;
IBM_TDB	
8 12 (coat\$3 film) near9 (nm submicron) near3 thick\$6 same (texture\$4 USPAT;	2003/07/11 14:50
roug\$6) and sand near3 blast\$4 US-PGPUE	3:
EPO; JPO;	·
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IBM_TDB	']
9 l ultra\$1thin same (hydrophobic oleophobic silicone teflon fluor\$9) same USPAT;	2003/07/11 14:50
(texture\$4 roug\$6 irregular\$6) and sand near3 blast\$4 US-PGPUE	
EPO; JPO;	,
DERWENT	·.
IBM_TDB	,
10 2 (ultra\$1thin (nm near9 thick\$9)) near9 (hydrophobic oleophobic silicone USPAT;	2003/07/11 14:36
teflon fluor\$9) same (texture\$4 roug\$6 irregular\$6) and sand near3 US-PGPUE	
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DERWENT	;
IBM_TDB	
46 (ultra\$1thin (nm near9 thick\$9)) near9 (hydrophobic oleophobic silicone USPAT;	2003/07/11 14:46
teflon fluor\$9) same (texture\$4 roug\$6 irregular\$6) US-PGPUB	;
EPO; JPO;	
DERWENT	;
IBM_TDB	
12 120 (ultra\$1thin monomolecular (nm near9 thick\$9)) same (hydrophobic USPAT;	2003/07/11 14:50
oleophobic silicone teflon fluor\$9) same (surface micron) near9 (roug\$6 US-PGPUB	
irregular\$6) EPO; JPO;	
DERWENT	;
IBM_TDB	

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13	53	((ultra\$1thin monomolecular (nm near9 thick\$9)) same (hydrophobic	USPAT;	2003/07/11 14:53
	ļ	oleophobic silicone teflon fluor\$9) same (surface micron) near9 (roug\$6	US-PGPUB;	
		irregular\$6)) and (blast\$4 etch\$6)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
14	11	((ultra\$1thin monomolecular (nm near9 thick\$9)) same (hydrophobic	USPAT;	2003/07/11 15:29
		oleophobic silicone teflon fluor\$9) same (surface micron) near9 (roug\$6	US-PGPUB;	
	1	irregular\$6)) and (blast\$4 (etch\$4 near3 mechanic\$6))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
15	131	sand near3 blast\$4 near9 (nm micron)	USPAT;	2003/07/11 15:30
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
16	70	sand near3 blast\$4 near9 (nm micron) near9 (irregular\$9 rough\$9)	USPAT;	2003/07/11 15:31
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	
17	5	sand near3 blast\$4 near9 (nm sub\$1micron) near9 (irregular\$9 rough\$9)	USPAT;	2003/07/11 15:32
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		·	IBM_TDB	